



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

C10-OH

Job Sheet 176989



004617

Part No: C10-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/3/18

Job Tracking No: RA240

Due Date: 5/18/18

Created By: Michelle Gagnon-Donovan

Type: Return

Description: SN: M906-01

Note: O&OPM-C10 REV.4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea		5/18/18	0.00	0.00	Start Up Small Fab-4		
110	Small Fab	1 pcs		5/18/18	0.00	1.00	Small Fab-9		
120	QC	1 pcs		5/18/18	0.00	0.00	QC5		
130	Customer Acceptance	1 pcs		5/18/18	0.00	0.00	QC6		
140	Outsource	1 pcs		5/18/18			SKY002-VC	5	
150	Packaging	1 pcs		5/18/18	0.00	0.00	Packaging2		
160	QC	1 pcs		5/18/18	0.00	0.00	QC6		
165	Outsource	1 pcs		5/18/18			GRO002-VC	10	
166	Packaging	1 pcs		5/18/18	0.00	0.00	Packaging2		
167	QC	1 pcs		5/18/18	0.00	0.00	QC6		
170	Small Fab	1 pcs		5/18/18	0.00	1.00	Small Fab-9		
180	QC	1 pcs		5/18/18	0.00	0.00	QC5		
185	DC	1 pcs		5/18/18	0.00	0.00	DC		
190	Packaging	1 pcs		5/18/18	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea		5/18/18	0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

AEROSHILL GREASE NO.7 (M138724) LOCTITE 242 (M138762) LOCTITE 640 (M138865)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	170-Small Fab	50491611
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	50430601
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	170-Small Fab	50423631
2595K2	Heat Shrink	1 Ea (1 ea)	170-Small Fab	
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	
600.1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab	E-5059105
600.1347	C10 Warning Label	1 Ea (1 ea)	170-Small Fab	E-5092153
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab	F1234321-10
AN6-31A	Bolt	6 Ea (6 ea)	170-Small Fab	2-5065330

C10-1	Side Plate Solenoid Side	1 Ea (1 ea)	170-Small Fab
C10-10-1	Actuator Shaft	1 Ea (1 ea)	170-Small Fab
C10-10-2	Actuator Pin	1 pcs (1 ea)	170-Small Fab
C10-10-3	Actuator Bushing	2 pcs (2 ea)	170-Small Fab
C10-11	Manual Release Knob	1 Ea (1 ea)	170-Small Fab
* C10-12	Solenoid Assembly (Figure 4)	1 Ea (1 ea)	170-Small Fab
C10-12-0	Solenoid	1 Ea (1 ea)	170-Small Fab
C10-12-1	Spring Pin	1 pcs (1 ea)	170-Small Fab
C10-2	Side Plate - MRK	1 Ea (1 ea)	170-Small Fab
C10-21-1	Clock Spring	2 pcs (2 ea)	170-Small Fab
C10-21-2	Spring Cover	2 Ea (2 ea)	170-Small Fab
C10-21-4	Lock Washer	8 Ea (8 ea)	170-Small Fab
C10-22	Lock Bumper	3 Ea (3 ea)	170-Small Fab
* C10-23	Keeper Weldment	1 Ea (1 ea)	170-Small Fab
C10-23-1	Keeper Spacer	1 Ea (1 ea)	170-Small Fab
C10-23-2	Keeper Spring	1 pcs (1 ea)	170-Small Fab
C10-23-3	Keeper Bushing	2 Ea (2 ea)	170-Small Fab
C10-3	Load Beam Bumper	1 Ea (1 ea)	170-Small Fab
C10-4	Lock	1 Ea (1 ea)	170-Small Fab
C10-4-10	Spring Anchor Spring Pin	2 pcs (2 ea)	170-Small Fab
C10-4-11	Lock Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-2	Lower Lock Roller	1 Ea (1 ea)	170-Small Fab
C10-4-3	Upper Lock Roller	1 Ea (1 ea)	170-Small Fab
C10-4-4	Upper Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-5	Lower Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-6	Lock Spring	1 pcs (1 ea)	170-Small Fab
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	170-Small Fab
C10-4-8	Lock Bushing	2 Ea (2 ea)	170-Small Fab
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	170-Small Fab
C10-41	Stain Relief Connector	1 Ea (1 ea)	170-Small Fab
C10-5A	Load Beam Assembly	1 Ea (1 ea)	170-Small Fab
C10-7	Locating Pin	3 pcs (3 ea)	170-Small Fab
C10-8	Trunnion Bushing	2 Ea (2 ea)	170-Small Fab
C10-9-1	Latch	1 Ea (1 ea)	170-Small Fab
C10-9-2	Latch Bearing Torrington	1 Ea (1 ea)	170-Small Fab
C10-9-4	Latch Shaft Bearing	2 Ea (2 ea)	170-Small Fab
C10-9-5	Latch Shaft	1 Ea (1 ea)	170-Small Fab
C10-9-6	Latch Return Spring	2 Ea (2 ea)	170-Small Fab
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab
C45-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab
C45-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab
EL PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab
5047767 EL314-SJTOW	3-Wire	1 ft (1 ea)	170-Small Fab
MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	6 Ea (6 ea)	170-Small Fab
MS21083N4	Nut	2 Ea (2 ea)	170-Small Fab
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab
NAS1149F0432P	Washer	2 Ea (2 ea)	170-Small Fab
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab
NAS1149F0632P	Washer	12 Ea (12 ea)	170-Small Fab

5068015
5068885

5038404
5076184

5079563
5060601
5031201
5085088

5068047

5068048
5068049
5060579
5068887

5072955
5068715

5083529
5074868

5046045
5040661
5066110
5045011
5029336

5076014
5060621
5039320
5050655-1
5056461
5048297

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C10	1	0	0
	188-FPSS-1/4-20-3/8	2	204	0
170-Small Fab	188-FPSS-1032-1/4	2	145	0
	188-SHCS-1032-3/4	8	252	0
	2595K2	1	26	0
	32446	2	658	0
	32448	2	159	0
	600.1309	1	100	0
	600.1347	1	0	0
	AN4-23A	2	582	0
	AN6-31A	6	104	0
	C10-1	1	0	0
	C10-10-1	1	4	0
	C10-10-2	1	99	0
	C10-10-3	2	36	0
	C10-11	1	0	0
	C10-12	1	5	0
	C10-12-0	1	0	0
	C10-12-1	1	99	0
	C10-2	1	0	0
	C10-21-1	2	52	0
	C10-21-2	2	0	0
	C10-21-4	8	228	0
	C10-22	3	36	0
	C10-23	1	0	0
	C10-23-1	1	56	0
	C10-23-2	1	48	0
	C10-23-3	2	0	0
	C10-3	1	9	0
	C10-4	1	0	0
	C10-4-10	2	98	0
	C10-4-11	1	24	0
	C10-4-2	1	0	0
	C10-4-3	1	0	0
	C10-4-4	1	0	0
	C10-4-5	1	0	0
	C10-4-6	1	23	0
	C10-4-7	1	14	0
	C10-4-8	2	34	0
	C10-4-9	1	19	0
	C10-41	1	48	0
	C10-5A	1	0	0
	C10-7	3	97	0
	C10-8	2	28	0
	C10-9-1	1	13	0
	C10-9-2	1	14	0
	C10-9-4	2	28	0
	C10-9-5	1	0	0
	C10-9-6	2	39	0
	C2-14-2	2	196	0
	C3-12-6	2	61	0
	C45-12-6	2	84	0
	C45-8-4	1	0	0
	C45-8-5	1	10	0
	EL-PLUG-M	1	79	0
	EL314-SJTOW	1	844	0
	MS21044N6	6	86	0
	MS21083N4	2	264	0
	MS27039-4-08	1	77	0
	NAS1149F0432P	2	2,581	0
	NAS1149F0463P	3	697	0
	NAS1149F0632P	12	566	0

Part Specifications

Specifications could not be found.

C10-OH
Job Sheet 176989

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200

Part No: C10-OH
Job Qty: 1 ea



Status: Scheduled
Priority: Medium

Job Tracking No: RA240

Created By: Michelle Gagnon-Donovan

Description: SN: M906-01

Note: O&OPM-C10 REV:4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op	No	Operation	Qty	Start Date	Due Date	Setup Run	Standard	Workcenter/Supplier	Sign-off
	100	Start up Operation	1 Ea	5/18/18				Start Up Small Fab-4	
	110	Small Fab	1 pcs	5/18/18				Small Fab-9	
	120	QC	1 pcs	5/18/18				QC5	
	130	Customer Acceptance	1 pcs	5/18/18					
	140	Outsource	1 pcs	5/18/18				GR0002-VC	
	150	Packaging	1 pcs	5/18/18				Packaging2	
	160	QC	1 pcs	5/18/18				QC6	
	170	Small Fab	1 pcs	5/18/18				Small Fab-9	
	180	QC	1 pcs	5/18/18				QC5	
	185	DC	1 pcs	5/18/18				DC	
	190	Packaging	1 pcs	5/18/18				Packaging3-2	
	200	QC21-FG	1 Ea	5/18/18				QC21	

Part Op 110 - TEST ASSEMBLY, DISASSEMBLY ASSEMBLY, INSPECT DAMAGE PART.
Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.
185 - Photocopy blue file and create labels

Outsource 155: Group Hitch - P0040308 C18-b-2a

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	170-Small Fab	
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	170-Small Fab	
2595K2	Heat Shrink	1 ft (1 ea)	170-Small Fab	
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	
600.1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab	
600.1347	C10 Warning Label	1 (1 ea)	170-Small Fab	
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab	
AN6-31A	Bolt	6 Ea (6 ea)	170-Small Fab	
C10-1	Side Plate Solenoid Side	1 Ea (1 ea)	170-Small Fab	
C10-10-1	Actuator Shaft	1 Ea (1 ea)	170-Small Fab	
C10-10-2	Actuator Pin	1 pcs (1 ea)	170-Small Fab	
C10-10-3	Actuator Bushing	2 pcs (2 ea)	170-Small Fab	

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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 813 632-5200
Email: sales@dartaero.com
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DART
AEROSPACE
Container No: S069178



Part: C10
Job No: 176989
Serial No/Batch: S069178
Revision: 4
Inspector:

Date: 05/07/18

C10-11	Manual Release Knob	1 Ea (1 ea)	170-Small Fab
C10-12	Solenoid Assembly (Figure 4)	1 Ea (1 ea)	170-Small Fab
C10-12-0	Solenoid	1 Ea (1 ea)	170-Small Fab
C10-12-1	Spring Pin	1 pcs (1 ea)	170-Small Fab
C10-2	Side Plate - MRK	1 Ea (1 ea)	170-Small Fab
C10-21-1	Clock Spring	2 pcs (2 ea)	170-Small Fab
C10-21-2	Spring Cover	2 Ea (2 ea)	170-Small Fab
C10-21-4	Lock Washer	8 Ea (8 ea)	170-Small Fab
C10-22	Lock Bumper	3 Ea (3 ea)	170-Small Fab
C10-23	Keeper Weldment	1 Ea (1 ea)	170-Small Fab
C10-23-1	Keeper Spacer	1 Ea (1 ea)	170-Small Fab
C10-23-2	Keeper Spring	1 pcs (1 ea)	170-Small Fab
C10-23-3	Keeper Bushing	2 Ea (2 ea)	170-Small Fab
C10-3	Load Beam Bumper	1 Ea (1 ea)	170-Small Fab
C10-4	Lock	1 Ea (1 ea)	170-Small Fab
C10-4-10	Spring Anchor Spring Pin	2 pcs (2 ea)	170-Small Fab
C10-4-11	Lock Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-2	Lower Lock Roller	1 Ea (1 ea)	170-Small Fab
C10-4-3	Upper Lock Roller	1 Ea (1 ea)	170-Small Fab
C10-4-4	Upper Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-5	Lower Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab
C10-4-6	Lock Spring	1 pcs (1 ea)	170-Small Fab
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	170-Small Fab
C10-4-8	Lock Bushing	2 Ea (2 ea)	170-Small Fab
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	170-Small Fab
C10-41	Stain Relief Connector	1 Ea (1 ea)	170-Small Fab
C10-5A	Load Beam Assembly	1 Ea (1 ea)	170-Small Fab
C10-7	Locating Pin	3 pcs (3 ea)	170-Small Fab
C10-8	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab
C10-9-1	Latch	1 Ea (1 ea)	170-Small Fab
C10-9-2	Latch Bearing Torrington	1 Ea (1 ea)	170-Small Fab
C10-9-4	Latch Shaft Bearing	2 pcs (2 ea)	170-Small Fab
C10-9-5	Latch Shaft	1 Ea (1 ea)	170-Small Fab
C10-9-6	Latch Return Spring	2 Ea (2 ea)	170-Small Fab
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab
C45-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab
C45-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab
C45-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab
EL314-SJTOW	3 Wire	1 ft (1 ea)	170-Small Fab
MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	6 Ea (6 ea)	170-Small Fab
MS21083N4	Nut	2 Ea (2 ea)	170-Small Fab
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab
NAS1149F0432P	Washer	2 Ea (2 ea)	170-Small Fab
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab
NAS1149F0632P	Washer	12 Ea (12 ea)	170-Small Fab

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C10	1	0	0
170-Small Fab	188-FPSS-1/4-20-3/8	2	182	0
	188-FPSS-1032-1/4	2	104	0
	188-SHCS-1032-3/4	8	284	0
	2595K2	1	30	0
	32446	2	100	0
	32448	2	173	0
	600.1309	1	0	0
	600.1347	1	0	0
	AN4-23A	2	600	0
	AN6-31A	6	38	0
	C10-1	1	0	0
	C10-10-1	1	0	0
	C10-10-2	1	100	0
	C10-10-3	2	0	0
	C10-11	1	0	0
	C10-12	1	0	0
	C10-12-0	1	0	0
	C10-12-1	1	100	0
	C10-2	1	0	0
	C10-21-1	2	0	0
	C10-21-2	2	0	0
	C10-21-4	8	76	0
	C10-22	3	17	0
	C10-23	1	0	0
	C10-23-1	1	0	0
	C10-23-2	1	54	0
	C10-23-3	2	0	0
	C10-3	1	0	0
	C10-4	1	0	0
	C10-4-10	2	100	0
	C10-4-11	1	1	0
	C10-4-2	1	0	0
	C10-4-3	1	0	0
	C10-4-4	1	0	0
	C10-4-5	1	0	0
	C10-4-6	1	24	0
	C10-4-7	1	15	0
	C10-4-8	2	21	0
	C10-4-9	1	0	0
	C10-41	1	21	0
	C10-5A	1	0	0
	C10-7	3	30	0
	C10-8	2	0	0
	C10-9-1	1	0	0
	C10-9-2	1	6	0
	C10-9-4	2	0	0
	C10-9-5	1	0	0
	C10-9-6	2	17	0
	C2-14-2	2	264	0
	C3-12-6	2	46	0
	C45-12-6	2	48	0
	C45-8-4	2	1	0
	C45-8-5	1	14	0
	EL-PLUG-M	1	56	0
	EL314-SJTOW	1	1,007	0
	MS21044N6	6	68	0
	MS21083N4	2	274	0
	MS27039-4-08	1	86	0
	NAS1149F0432P	2	1,963	0
	NAS1149F0463P	3	466	0
	NAS1149F0632P	12	643	0

Part Specifications

Specifications could not be found.

Inspection Sheet Complete RA240

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
C10	M906-01	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S055108	OVERHAUL
SWA10A-2	AC12003	1	☐ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S055109	OVERHAUL
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: _____ 0

Date: 0-Jan-00 _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040157**

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO040157
PO Date: 6/11/18
Due Date: 6/18/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
2	176989	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
3	176990	SWA10A-2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
	178582			Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Sub Total:						2	0	2		\$356.00
4	176991	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
5	177599	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg)	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
	177600			Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Sub Total:						2	0	2		\$356.00
6	ROH178662	SWA6A-6-OH	Electric Swivel 6,000 lb Safe Work Load (2,721 kg)	Firmed	6/18/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Grand Total:										\$1,424.00

Order Notes

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO36387	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO040157
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON :**

- 1 C-SERIES REMOTE HOOK P/N : C60-OH , J/S : 176842 ✓
- 1 C-SERIES REMOTE HOOK P/N : C10-OH J/S : 176989 ✓
- 1 ELECTRIC SWIVEL P/N : SWA10A-2-OH J/S : 176990 ✓
- 1 C-SERIES REMOTE HOOK P/N : C10-OH J/S : 176991 ✓
- 1 ELECTRIC SWIVEL P/N : SWA3-3-OH J/S : 177599 ✓
- 1 ELECTRIC SWIVEL P/N : SWA3-3-OH J/S : 177600 ✓
- 1 ELECTRIC SWIVEL P/N : SWA10A-2-OH J/S : 178582 ✓
- 1 ELECTRIC SWIVEL P/N : SWA6A-6-OH J/S : ROH178662 ✓

Action Taken:	Date:	Initial/Stamp:
LIQUID PENETRANT & MAGNETIC PARTICLES INSPECTION CARRIED OUT AS PER ASTM E-1444M-16 & E-1417M-16		
NO CRACK FOUND MAGBENCH S/N 208123 CAL DUE: 7-JULY-2018 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO13923 BLACK LIGHT - M20186 PEN ZL-37, MPO13139, CLEANER SKC-S MPO15030 , DEV. MPO15030 , EMU.(ZR-10B,MPO15896) BLACK LIGHT - M20186	JUN 15 2018	 

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: LUCA MARCHETTA		JUN 15 2018



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040308

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO040308
PO Date: 6/22/18
Due Date: 7/4/18
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	176842	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity -Issue P/O to Groupe Altech: P/O _____ - Strip -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Certificate of Conformity is required	Firmed	7/4/18	1 pcs	0 pcs	1 pcs	\$150.00/pcs	\$150.00
2	176991	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity -Issue P/O to Groupe Altech: P/O _____ - Strip -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Certificate of Conformity is required	Firmed	7/4/18	1 pcs	0 pcs	1 pcs	\$75.00/pcs	\$75.00
	176989			Firmed	7/4/18	1 pcs	0 pcs	1 pcs	\$75.00/pcs	\$75.00
Sub Total:						2	0	2		\$150.00

Flex 6/29/18 12:34 PM dart.tsimiklis.chrisoula

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	177399	C45-K-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless -Issue P/O to Groupe Altech: P/O _____ - Strip -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Certificate of Conformity is required	Firmed	7/4/18	1 pcs	0 pcs	1 pcs	\$150.00/pcs	\$150.00
4	179782	PC250-700	-Issue P/O to Groupe Altech: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade C -Nickel Plate .0004-.0006 - Certificate of Conformity is required	Firmed	7/4/18	1 pcs	0 pcs	1 pcs	\$225.00/pcs	\$225.00
5	R179783	C10-10-1	Actuator Shaft -Issue P/O to Groupe Altech: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Certificate of Conformity is required -Issue P/O to Groupe Altech: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Certificate of Conformity is required -Issue P/O to Groupe Altech: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Certificate of Conformity is required	Firmed	7/4/18	4 pcs	0 pcs	4 pcs	\$37.50/pcs	\$150.00
6	179831	RBW6305G02831-3G	Tool, Main Gear Box Upper Fitting Replacement -Issue P/O to GROUPE ALTECH: P/O _____ Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Material type; 1018 -Certificate of Conformity is required	Firmed	7/4/18	2 pcs	0 pcs	2 pcs	\$45.00/pcs	\$90.00

Plex 6/29/18 12:34 PM dart.tsimiklis.chrisoulas

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	R179819	PC250-600	Bell Crank -Issue P/O to GROUPE ALTECH: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; -Certificate of Conformity is required	Firmed	7/4/18	1 pcs	0 pcs 1x	1 pcs	\$150.00/pcs	\$150.00 At 18/07/18
8	178860	RBW6420G00131-8G-1	Base Welded Assy -Issue P/O to GROUPE ALTECH: P/O _____ -Zinc plate, ASTM B633 TYPE 2 SC2 -Color BLACK -Material type; 4140 -Certificate of Conformity is required	Firmed	7/4/18	6 pcs	0 pcs 6x	6 pcs	\$37.50/pcs	\$225.00 4m2 18.07
Grand Total:									\$1,290.00	
Order Notes										
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.										

Plex 6/29/18 12:34 PM dart.tsimiklis.chrisoula

CS



Certificat de Conformité / Certificate of Compliance

(010559-3)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

010559 - 3

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
09-Jul-2018		Aman		040308				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	C60-OH Rev.	C60-OH 01-E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL-200 CH	1	1	0	0	0
2	C-10-OH Rev.	C-SERIES REMOTE HOOK (SET OF 5) 01-E-NIC STEEL 500 [E-NICKEL STEEL 500] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL STEEL CH	2	2	0	0	0
3	C45-K-OH Rev.	C45-K-OH 01-E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL STEEL CH	1	1 ✓	0	0	0

DAS
38
9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By




Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.



Remote Cargo Hook Test Form

C10

Work Order 176989

Customer _____

Serial Number M906-01

Date June 5th 2018

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	PASS.
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	FAIL
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.5 Amp.	FAIL
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.5 Amp.	FAIL
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.5 Amp.	FAIL
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.5 Amp.	PASS
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	9.5 Amp.	FAIL
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	8.7 Amp.	FAIL
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	16.9 Amp.	FAIL
1	10,000	Manual		N/A	PASS.
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	PASS.
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.9 Ohms	PASS
1	N/A	Electircal Continuity	Across both wires	N/A	PASS.

Test Conducted By

Luc Larivière

Technician

Signature: _____

QC 5 Small FAB / QA

Submit



Remote Cargo Hook Test Form

C10

Work Order 176989

Customer _____

Serial Number M906-01

Date June 5th 2018

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	Amp.	
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	Amp.	
1	10,000	Manual		N/A	
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	Ohms	
1	N/A	Electircal Continuity	Across both wires	N/A	

Test Conducted By

Signature: _____

Technician

QC 5 Small FAB / QA

Submit



SUBJECT
OWNERS & OVERHAUL PROCEDURES MANUAL 10,000 LBS REMOTE CARGO HOOK C10

REPORT
O&OPM-C10
REV. 4
2/28/2017

Section 6.0: Overhaul Preparation

Before the overhaul process may begin, the following preparations must be made.

6.1 REQUIRED ITEMS:

The following items are required to complete the overhauling process as outlined in this manual:

- **Dart Aerospace C10 Overhaul Kit (P/N: 648.4703)**
- **Loctite #620 Retaining Compound**
- **Aeroshell Grease 7**
- **SAF-T-EZE Copper Anti-Seize (or equivalent)**
- **Vinyl Electrical Tape**
- **Standard Multimeter**
- **Parts Washing Solvent**
- **Aluminum Oxide 100/200/400, or Scotch Brite (or similar)**
- **Raychem RNF-100 Heat-Shrink Tubing .25"exp - .125"rec (or equivalent)**

6.2 PARTS LIST AND ASSEMBLY FIGURES:

A copy of the complete parts list and assembly figures are included in this document and may be used as a reference source at any time.

Table 6.2 below lists all the parts contained in the Dart Aerospace C10 Overhaul Kit (P/N: 648.4703). It is recommended that this table be used to verify that all parts are present.

PART#	NAME	QTY. (648.4703)
C10-3 ✓	Load Beam Bumper	1
C10-4-6 ✓	Lock Spring	1
C10-4-7 ✓	Spring Retaining Pin	1
C10-4-8 ✓	Lock Bushing	2
C10-4-9 ✓	Upper Roller DU Bearing	1
C10-4-10 ✓	Spring Anchor Spring Pin	2
C3-12-6 ✓	Lock Roller Retaining Ring	2
C45-12-6 ✓	Retaining Ring	2

...continued on next page

PROPRIETARY

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Page 23 of 43



SUBJECT
OWNERS & OVERHAUL PROCEDURES MANUAL 10,000 LBS REMOTE CARGO HOOK C10

REPORT
O&OPM-C10
REV. 4
2/28/2017

...continued from previous page

C10-7 ✓	Locating Pin	3
C10-8 ✓	Trunnion Bushing	2
C10-9-2 ✓	Latch Bearing	1
C10-9-4 ✓	Latch Shaft Bushing	2
C10-9-6 ✓	Latch Return Spring	2
C10-10-2 ✓	Actuator Pin	1
C10-10-3 ✓	Actuator Bushing	2
C45-8-4 ✓	Solenoid Cover Gasket	1
C10-21-4 ✓	Lock Washer	8
C10-22 ✓ ②	Bumper	3
C10-23-1 ✓	Keeper Spacer	1
C10-23-2 ✓	Keeper Spring	1
C10-23-3 ✓	Keeper Bushing	2
188-FPSS-1032-1/4 ✓	Set Screw	2
188-FPSS-1/4 20-3/8 ✓	Set Screw	2
188-SHCS-1032-3/4 ✓	Bolt	8
600-1309-A ✓	Label (not shown)	1
C2-14-2 ✓	Label Rivets (not shown)	2
600.1347 ✓	C10 Warning Label (not shown)	1
AN4-23A ✓	Bolt	2
AN6-31A ✓	Bolt	6
AN960-416 ✓	Washer	3
AN960-416L ✓	Washer	2
AN960-616L ✓	Washer	12
MS21083N4 ✓	Nylock Nut	2
MS21044N6 ✓	Lock Nut	6
MS27039-4-08 ✓	Screw	1

Table 6.2 – Dart Aerospace C10 Overhaul Kit Parts List

PROPRIETARY

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Page 24 of 43



Remote Cargo Hook Test Form

C10

Work Order

176989

Customer

RA240

Serial Number

M906-01

Date

2018/07/27

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	PASS
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	PASS
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	PASS
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	PASS
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	PASS
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	PASS
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	PASS
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	8.0 Amp.	PASS
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	10.2 Amp.	PASS
1	10,000	Manual		N/A	PASS
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	PASS
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	PASS
1	N/A	Electircal Continuity	Across both wires	N/A	PASS

Test Conducted By

ALAIN PATRY

Technician

Signature:

Sylvie Sanchez

QC 5 Small FAB / QA

Submit